

Application No.: 10/049,192
 Filed: 06 June 2002
 Art Unit: 1648

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IN THE SPECIFICATION:

At page 5, please replace paragraph 5, beginning at line 20, with the following amended paragraph:

In another aspect the single variant comprises a nucleotide sequence encoding a VP4 protein, wherein the nucleotide sequence is as shown in Figure 1 (SEQ ID NO: 1), and/or a nucleotide sequence encoding a VP7 protein wherein the nucleotide sequence is as shown in Figure 2 (SEQ ID NO: 2).

At page 15, please replace Table 1 with the following amended table:

TABLE 1: Oligonucleotides used for RT-PCR and sequencing

	Name	Sequence	Sequence ID NO:	Position
VP7	Rota 1	GGC TTT AAA AGA GAG AAT TTC CGT CTG G	(SEQ ID NO:3)	-49 to -22
	Rota 1bis	GGT TAG CTC CTT TTA ATG TAT GGT A	(SEQ ID NO:4)	-16 to 10
	Rota 2bis	GGT CAC ATC GAA CAA TTC TAA TCT AAG	(SEQ ID NO:5)	1014-988
	Rota 7	CAA GTA CTC AAA TCA ATG ATG G	(SEQ ID NO:6)	266-287
	Rota 12	TGT TGA TTT TTC TGT CGA TCC AC	(SEQ ID NO:7)	372-394
	Rota 46	GGT TGC TGA GAA TGA GAA ATT AGC TAT AGT GG	(SEQ ID NO:8)	651-682
	Rota 18	CCA CTA TAG CTA ATT TCT CAT TCT CAG CAA CC	(SEQ ID NO:9)	682-651
VP4	Rota 5	TGG CTT CGC CAT TTT ATA GAC A	(SEQ ID NO:10)	2-23
	Rota 6	ATT TCG GAC CAT TTA TAA CC	(SEQ ID NO:11)	878-859
	Rota 5bis	TGG CTT CAC TCA TTT ATA GAC A	(SEQ ID NO:12)	2-23
	Rota 6bis	ATT TCA GAC CAT TTA TAA CCT AG	(SEQ ID NO:13)	878-856
	Rota 25	GGA GTA GTA TAT GAA AGT ACA AAT AAT AG	(SEQ ID NO:14)	268-296
	Rota 26	CTA TTA TTT GTA CTT TCA TAT ACT ACT CC	(SEQ ID NO:15)	296-268
	Rota 27bis	TCG ATA CAG TAT AAG AGA GCA CAA G	(SEQ ID NO:16)	721-745
	Rota 28	TTC ATT AAC TTG TGC TCT CTT ATA CTG	(SEQ ID NO:17)	753-727
	Rota 31	GTA TAT GTA GAC TAT TGG GAT G	(SEQ ID NO:18)	1048-1070
	Rota 32	CAT CCC AAT AGT CTA CAT ATA C	(SEQ ID NO:19)	1070-1048
	Rota 45	TGT AAC TCC GGC AAA ATG CAA CG	(SEQ ID NO:20)	1205-1227
	Rota 53	CGT TGC ATT TTG CCG GAG TTA CA	(SEQ ID NO:21)	1227-1205
	Rota 54	GTA AGA CAA GAT TTA GAG CGC CA	(SEQ ID NO:22)	1465-1487
	Rota 55	TGG CGC TCT AAA TCT TGT CTT AC	(SEQ ID NO:23)	1487-1465
	Rota 40	CTT GAT GCT GAT GAA GCA GCA TCT G	(SEQ ID NO:24)	1703-1727
	Rota 39	CAG ATG CTG CTT CAT CAG CAT CAA G	(SEQ ID NO:25)	1727-1703
	Rota 33	CGA TCA TAT CGA ATA TTA AAG GAT G	(SEQ ID NO:26)	2008-2032
	Rota 34	CAT CCT TTA ATA TTC GAT ATG ATC G	(SEQ ID NO:27)	2032-2008
	Rota 29bis	AGC GTT CAC ACA ATT TAC ATT GTA G	(SEQ ID NO:28)	2335-2311

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At page 15, please replace Table 2 with the following amended table:

TABLE 2: oligonucleotides used in hybridization

	Name	Sequence	Sequence ID NO.	Position
VP7	Rota 41	AGT ATT TTA TAC TAT AGT AGA TTA TAT TAA TC	(SEQ ID NO:29)	882-913
	Rota 42	AGT ATT TTA TAC TAT GGT AGA TTA TAT TAA TC	(SEQ ID NO:30)	882-913
VP4	Rota 15	ATC CCC ATT ATA CTG CAT TCC TTT C	(SEQ ID NO:31)	807-783
	Rota 16	ATC CCT ATT ATA CTG CAT TTC TTT C	(SEQ ID NO:32)	807-783
	Rota 35	ATC CCC ATT ATA CTG CAT TTC TTT C	(SEQ ID NO:33)	807-783
	Rota 36	ATC CCT ATT ATA CTG CAT TCC TTT C	(SEQ ID NO:34)	807-783

At page 18, please replace paragraph 5, beginning at line 21, with the following amended paragraph:

The selected clone was genetically characterized at different passage levels by sequencing of VP4 and VP7 (identity) and by specific slot blot hybridization of the VP4 and VP7 (homogeneity) of the PCR amplified materials. The sequence of the VP4 and VP7 genes of the P43 material are given in Figures 1 (SEQ ID NO:1) and 2 (SEQ ID NO:2) respectively and are identical to P41.

At page 48, beginning at line 1, please replace "FIG 1 VP4 sequence of P43" with "FIG 1 VP4 sequence of P43 (SEQ ID NO: 1)".

At page 49, beginning at line 8, please replace "Fig 2 VP7 sequence of P43 " with "Fig 2 VP7 sequence of P43 (SEQ ID NO:2)".